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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,695	11/24/2003	Yukiharu Miyamura	03-35 PUS	3226
21254	7590	12/29/2004	EXAMINER	
MCGINN & GIBB, PLLC 8321 OLD COURTHOUSE ROAD SUITE 200 VIENNA, VA 22182-3817			DINH, PHUONG K	
			ART UNIT	PAPER NUMBER
			2839	

DATE MAILED: 12/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/718,695	MIYAMURA ET AL.	
	Examiner	Art Unit	
	Phuong KT Dinh	2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 November 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) 6,9 and 15 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5,7,8,10-14,16 and 17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>11/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claims 1-5, 7-8, 10-14, 16-17 are objected to because of the following informalities:
informalities:
2. Claim 1, line 7, "a conductive adhesive" should be changed to - - the conductive adhesive - -.
3. Claims 5 and 14, "the inward side" has no antecedence basis.
4. Claims 10, "the second connecting terminal" has no antecedence basis.
Appropriate correction is required.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1, 5, 7, 10, 14, 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyasyo (U. S. Patent 6,201,689) in view of Admitted Prior Art (APA).
7. Regarding claims 1 and 10, Miyasyo discloses a display apparatus including a first connecting terminal 18 provided in a first end portion on of a connecting cable and a second connecting terminal 14 provided in a second end portion of the connecting cable and electrically connected to a terminal of a drive circuit board and the display apparatus comprising: a third connecting terminal 16b provided in the second portion of

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the connecting cable for establishing electric connection to a connector provided on a replacement drive circuit board. Miyasyo discloses the claimed invention except a conductive adhesive. APA discloses a conductive adhesive at b, see figure 2.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Miyasyo to provide the conductive adhesive as taught by APA so as to easy to connection. For claims 8 and 17, since one could provide out to separate the terminals they meet the claim limitation since no means to enable separation.

8. Regarding claims 5 and 14, Miyasyo discloses the third connecting terminal 16b is provided on the inward side of the second connecting terminal in the second end portion of the connecting cable.

9. Regarding claims 7 and 16, Miyasyo discloses the third connecting terminals 16b are arranged in parallel in plural in individual corresponding with plurality of the second connecting terminals lined up in the second portion of the connecting cable.

10. Claims 2-3 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyasyo (U. S. Patent 6,201,689) in view of Admitted Prior Art (APA) and further in view of Hanato (U. S. Patent 5,414,220).

11. Regarding claims 2-3 and 11-12, Miyasyo and APA disclose the claimed invention except for the third connecting terminal in a connector-coupling terminal to be coupled to the connector on the replacement drive circuit board by means of insertion and use of a reinforcing plate. Hanato use a reinforcing plate at 5 to enable connection by insertion into a socket 20. Therefore, it would have been obvious to one of ordinary

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skill in the art at the time the invention was made to modify Miyasyo and APA to provide use a reinforcing plate at 5 to enable connection by insertion into a socket 20 as taught by Oughton so as to enable to easier connection.

12. Claims 8 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyasyo (U. S. Patent 6,201,689) in view of Admitted Prior Art (APA) and further in view of Oughton, Jr. (U. S. Patent 4,251,683).

13. Regarding claims 8 and 17, Miyasyo and APA disclose the cable terminals are not detachable. Oughton discloses terminals separated by slits. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Miyasyo and APA to provide the terminals separated by slits as taught by Oughton so as to lessen chance of terminal shorting.

Allowable Subject Matter

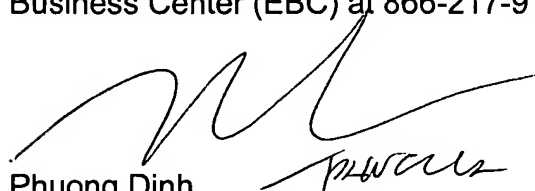
14. Claims 4 and 13 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong KT Dinh whose telephone number is 571-272-2090. The examiner can normally be reached on 8 -5, 5 days a week.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Phuong Dinh
December 13, 2004.